



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: David Moyer

Docket No.: SPNE0002

Serial No. : 10/674,743

Art Unit: 2832

Filed: 9/29/2003

Examiner: Unknown

Title: Electromagnetic Valve System

February 19, 2004

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents

Mail Stop DD

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

This Information Disclosure Statement is submitted:

- (X) under 37 CFR 1.97(b), or
(within three months of filing national application; or date of entry of international application; or before mailing date of first office action on the merits; whichever occurs last)
- () under 37 CFR 1.97(c) together with either a:
 - () Certification under 37 CFR 1.97(e), or
 - () a \$220.00 fee under 37 CFR 1.17(p), or
(After the CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)
- () under 37 CFR 1.97(d) together with a:
 - () Certification under 37 CFR 1.97(e), and
 - () a \$220.00 fee under 37 CFR 1.17(d)(2)(ii), and
 - () a \$130.00 petition fee set forth in 37 CFR 1.17(i)(1)
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

(X) The Commissioner is authorized to charge any additional fees or credit any overpayment to Deposit Account No. 07-1445 (Order No. SPNE0002). A copy of this sheet is enclosed for accounting purposes.

(X) Applicant(s) submit herewith Form PTO 1449 -- Information Disclosure Citation together with copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.25.

() A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individual(s) designated in 37 CFR 156(c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

Respectfully Submitted,



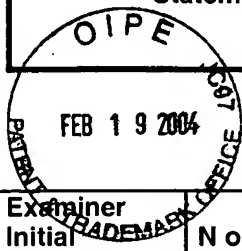
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Form 1449 (Modified)

Information Disclosure
Statement By Applicant

Atty. Docket No. SPNE0002
Serial No. 10/674,743
Applicant: Moyer, et al
Art Unit: Unassigned
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Examiner: Unassigned



U.S. Patent Documents

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	B	5,970,956	10/26/1999	Sturman	123	508	2/13/1997
	C	6,024,060	2/15/2000	Buehrle, II et al	123	90.12	6/05/1998
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Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
	W	912819	7/09/1997	EP	F01L	9/02	X	
	X	245798	5/02/1996	EP	F01L	9/02	X	
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	cc	Tai, C., et al; <u>Control of an Electromechanical Camless Valve Actuator</u> ; Dept. of Mechanical and Aerospace Engrg; Univ of California at Los Angeles; Los Angeles, CA; Proceedings of the American Control Conference; May 8-10, 2002; Anchorage, Alaska, USA.
	dd	Auto Channel Search Web Page; 'Camless Technology Update'; www.theautochannel.com ; ©1996-2003 The Auto Channel.
	ee	Automotive Engineering Web Page; 'Tech Briefs'; www.sae.org ; ©2003 SAE.
	ff	Mackoski, Dusko; 'Camless Engines' A near future where camshafts don't exist and performance is revolutionised!; ©1998-2003; AutoWeb Pty Limited & Web Publications Pty, Ltd.
	gg	Web Page Camless Engine (car: engine: valves).
	hh	Johansen, T.A., et al; <u>Free-Piston Diesel Engine Timing and Control-Towards Electronic Cam- and Cranshaft</u> ; Dept of Engr Cybernetics, Norwegian Univ of Science and Technology, N-7491 Trondheim, Norway.
	ii	Denver Business Journal Web Page; Neff, T.; <u>Sturman's valve opens door to potential riches</u> ; 9/24/2001; Denver Business Journal Saturday November 22 issue.
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	oo	Garg, V.K. et al; U.S. Patent No. 6,631,633, dated October 14, 2003; <u>Method and Apparatus for Calibrating a Variable force Solenoid</u> ; USPTO Patent Full-Text and Image Database.
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	ss	Sturman, Carol, "Dare To Dream" Leader to Leader, Winter, 2002, pg. 35.
	tt	Sturman Industries a Family Affair" Front Range TechBiz, November 12-18, 2001, pg. 9.